NOTE XLIII.

ZOOLOGICAL RESEARCHES IN LIBERIA.

A LIST OF BIRDS,

collected by Mr. F. X. STAMPFLI

near Monrovia, on the Messurado River, and on the Junk River with its tributaries.

BY

J. BÜTTIKOFER.

In my previous paper on Liberian Birds [1]) I have already called attention to Mr. Stampfli, whom I enabled to carry on my zoological investigations after my return from Liberia. Mr. Stampfli, from July 1884 to April 1886, on different times had his headquarters at Paynesville and Oldfield, on the banks of the Messurado River about 15 sea-miles above Monrovia, and at Schieffelinsville on the Junk River, about 3 miles (in straight line) from the coast. From this latter place he explored not only the large Junk River, but also some of its tributaries, the Too- and the Du Queah River, which latter is about as large as the Junk River itself. Some of his specimens he collected in the vicinity of Monrovia, during several longer and shorter stays he had in this place. Mr. Stampfli most zealeously braved all the disagreeablenesses

1) Notes 1885, p. 148.

of a collectors life in that unhealthy country, until he got weakened in such a degree by repeated heavy attacks of malaria, that he was obliged to return to Europe in order to restore his health. Nevertheless the zoological explorations of that interesting country will not be stopped, as we both are decided to return together to Liberia at the end of October next. For that purpose I have got leave for a half years stay in Liberia, and after my return to Europe Mr. Stampfli will carry on the work alone. To all Zoologists, especially to Ornithologists, I should be thankful for every hint they would kindly give me with regard to the interesting fauna of Liberia, before my departure from Europe. Especially Anatomists would do well to call my attention to every wished for interesting species, which I readily will preserve in spirits as far as they can be obtained.

As our first stay will be on the banks of the Junk River, I after my return shall better be able than now to give a short sketch of that country.

About the habits of the collected birds Mr. Stampfli furnished me but very few informations. The total number of species collected by him is 126. Of these the following 28 species are not obtained during my first sojourn in Western Liberia:

1. *Dryotriorchis spectabilis.*
2. *Haliaetus vocifer.*
3. *Pernis apivorus.*
4. *Scotopelia Bouvieri.*
5. *Alcedo quadribrachys.*
6. *Cinnyris Johannae.*
7. » » n. sp. (♀).
8. » » *Adelberti.*
9. » » *obscurus.*
10. » » *cyanolaemus.*
11. *Anthreptes rectirostris.*
12. *Phylloscopus trochilus.*
13. *Sylvietta Stampfli*, n. sp
14. *Alethe diademata.*
15. *Criniger indicator.*
16. *Parisoma plumbeum.*
17. *Campephaga quiscalina.*
18. *Fraseria ocreata.*
19. *Sigmodus caniceps.*
20. *Lamprocolius cupreocauda.*
21. *Ortygospiza polyzona.*
22. *Estrelda melpoda.*
23. *Spermestes cucullatus.*
24. *Nigrita canicapilla.*
25. *Trogon narina.*
26. *Querquedula Hartlaubi.*
27. *Stercorarius cephus.*
28. *Heliornis senegalensis.*

These 28 species, two of which proved to be new, added to the 164 I collected myself [1]), we obtain the number of 192, which are all represented in the Leyden Museum by at least one specimen.

Moreover the following species, neither found by me nor by Mr. Stampfli, have been recorded by previous authors to be obtained in Liberia:

1. *Astur macrourus*, . . collected by Mr. Schweitzer.
2. *Macheiramphus Anderssoni*, ... » »
3. *Caprimulgus Fossii*, ... » »
4. *Chloropeta superciliaris*, ... » »
5. *Turdirostris rufescens*, n. sp. Rchw. » »
6. *Ixonotus guttatus*, ... » »
7. *Platystira leucopygialis*, ... » »
8. *Laniarius melamprosopus*, n. sp. Rchw. » »
9. » » *multicolor*, ... » »
10. » » *cruentus*, ... » »
11. *Amydrus Hartlaubi*, ... » »
12. *Lamprocolius purpureiceps*, ... » »
13. *Chrysococcyx Klaasii*, ... » »
14. *Nycticorax europaeus*, » »
15. *Rallus oculeus*. . . . . » »
16. *Graucalus azureus*, collect. by Mc. Dowell (teste Hartl.).
17. *Symplectes (Hyphantornis) Grayi*, in Mus. Brem. (teste Hartl.).
18. (?) *Pyrenestes coccineus*, in Mus. Philad. (teste Cassin).
19. (?) *Corythaix persa*, (teste Herz. v. Württ., vide Hartl.).
20. *Megalaema atroflava*, (» » » » » »).
21. *Francolinus bicalcaratus*, (» » » » » »).

The total number of species, known from Liberia at the present time, may thus be considered to be 213.

1) To the 162 species, enumerated in my previous list (Notes 1885) are to be added: *Hirundo lucida*, mentioned together with *H. rustica* (p. 158), and *Stiphrornis alboterminata*, erroneously mentioned as the female of *Cinnyris venustus*, p. 170. See the present note, sp. 11 and 24. Moreover has the name *Melaenornis edolioides* in my first list to be changed into *Dryoscopus leucorhynchus*.

1. *Nisus Hartlaubii*, J. Verr.

Bütt. Notes 1885, p. 153.

1 specimen (ad. ♀), Du Queah River.

Exactly similar to that which I collected at Soforé Place.

2. *Dryotriorchis spectabilis.*

Astur spectabilis, Schl. Tijdschr. Dierk. I. p. 131, pl. 6 (1864); id. Mus. P.-B. Astures, p. 27, Revue p. 68.

Dryotriorchis spectabilis, Shelley, Ibis 1874, p. 91; — Sharpe, Cat. Birds Br. Mus. I. p. 279 (1874).

1 specimen (ad. ♀), 22 Dec., Du Queah River.

»Iris and cere yellow, bill black, yellow at the base, feet yellow."

As far as I know this is the third specimen of this species, hitherto known to Ornithologists. The first (typical) specimen is contained in the collections of our Museum, the second, like the first from the Gold Coast, is in the collection of Captain Shelley. The plumage of Mr. Stampfli's specimen agrees tolerably well with the description of the adult (Capt. Shelley's) specimen in Mr. Sharpe's Catalogue. As Capt. Shelley plainly pointed out, this bird forms a distinct genus and has nothing common with *Astur* except the powerful high bill, while the structure of the narines alone would be sufficiently striking to base a new genus upon.

This species seems to be exceedingly rare.

3. *Haliaetus vocifer* (Daud.).

Haliaetus vocifer, Hartl. Orn. W. Afr. p. 8; — Schl. Mus. P.-B. Aquilae, p. 16, Revue p. 118.

1 specimen (ad. ♂), Junk River.

»Iris golden yellow, bill black, feet whitish gray. Contents of stomach: fish-bones."

4. *Haliaetus angolensis* (Gm.).

Bütt. l. c. p. 154.

2 specimens, Junk River.

5. *Milvus aegyptius* (Gm.).

Bütt. l. c. p. 155.

1 specimen, Junk River.

»Contents of stomach: grasshoppers."

6. *Pernis apivorus.*

Pernis apivorus, Hartl. Orn. W. Afr. p. 10.

1 specimen (ad. ♂), 1 Jan., Junk River.

»Iris, cere and feet yellow, bill black. Contents of stomach: fish-bones and hairs."

7. *Baza cuculoides* (Swains.).

Bütt. l. c. p. 155.

1 specimen (♀), Junk River.

8. *Scotopelia Bouvieri.*

Scotopelia Bouvieri, Sharpe, Ibis 1875, p. 260; id. Cat. Birds Br. Mus. II. p. 11 (1875).

1 specimen (♀), 7 Jan., Junk River.

»Iris bluish black, cere, bill and feet yellow, claws cherry-brown. Contents of stomach: fish-bones."

It seems very peculiar that this Liberian specimen belongs to *S. Bouvieri*, hitherto only known from the Gaboon, instead of to *S. Ussheri*, which is only known from the much nearer Gold Coast. This specimen, distinguished from *S. Ussheri* by its vermiculated upper surface, is still smaller than the typical specimen in the Brit. Mus., as it shows the following measurements: wing 31 cm., tail 20, tarsi 5,7.

9. *Syrnium nuchale*, Sharpe.

Bütt. l. c. p. 151.

3 specimens (1 ♂, 2 ♀), Junk River.

10. *Scotornis longicauda* (Drap.).

Bütt. l. c. p. 156.
8 specimens, Junk River.

11. *Hirundo lucida.*

Hirundo lucida, J. Verr. J. f. O. 1858; — Sharpe, Cat. Birds Br. Mus. X. p. 145 (1885); — Bütt. l. c. p. 158.
1 specimen (ad. ♂), 23 Oct., Messurado River.
»Iris, bill and feet black."
The fact that this species is really found in Liberia, renders it tolerably certain that the nestlings, mentioned in my above cited note, really belong to this species, and not to *rustica.*

12. *Eurystomus afer* (Lath.).

Bütt. l. c. p. 158.
5 specimens, Messurado- and Junk River.

13. *Alcedo cyanostigma*, Rüpp.

Bütt. l. c. p. 159.
2 specimens, Junk River.

14. *Alcedo quadribrachys*, Temm.

Hartl. Orn. W. Afr. p. 34.
3 specimens, Junk- and Messurado River.
»Iris and bill black, feet red."
Certainly a very rare species.

15. *Ceryle maxima* (Pall.).

Bütt. l. c. p. 160.
3 specimens, Junk River.

16. *Ceryle rudis* (L.).

Bütt. l. c. p. 161.
Several specimens, Junk River.

17. *Halcyon senegalensis* (L.).

Bütt. l. c. p. 161.
Several specimens, Junk River.

18. *Halcyon malimbica* (Shaw).

Bütt. l. c. p. 162.
2 specimens, Junk River (brushwood).

19. *Halcyon semicoerulea* (Forsk.).

Bütt. l. c. p. 166.
3 specimens, Junk River (brushwood).

20. *Merops albicollis*, Vieill.

Bütt. l. c. p. 166.
Several specimens, Junk River.

21. *Merops erythropterus*, Gm.

Bütt. l. c. p. 167.
Several specimens, Schieffelinsville (Junk R.).

Five eggs of this species, pure white and very much approaching the globular form, were found in a hole the birds probably digged themselves in the ground of a sandy grass-field, far off from any water. — Axis 17 mm., width 15 mm.

22. *Merops gularis*, Shaw.

Bütt. l. c. p. 167.
3 specimens, Monrovia (grave-yard).

23. *Cinnyris Johannae*, J. Verr.

Nectarinea Johannae, Hartl. Orn. W. Afr. p. 45.
2 specimens (ad. ♂ and ♀), Junk River (brushwood).
»Iris, bill and feet black."

24. *Cinnyris venustus* (Shaw).

Bütt. l. c. p. 169, ♂ (sed non fem., nid. et ov.).

A large series, Messurado- and Junk River.

What I have considered in the above cited note to be the female, nest and eggs of this species, has, as soon as I received the first real female of *venustus* from Mr. Stampfli, turned out to be *Stiphrornis alboterminata* Rchw., with which species the number in my previous list will be augmented. The mistake was caused by the singular fact that I shot a male of *C. venustus* together with a female of *St. alboterminata* near the nest of the latter, and having not had a female of *C. venustus* at that time, I did not hesitate a moment to consider the female bird as the matched female of the male *Cinnyris*. — *Stiphrornis alboterminata* is not collected by Mr. Stampfli, and the male of this species thus still wanting in our collection.

25. *Cinnyris chloropygius* (Jard.).

Bütt. l. c. p. 169.

Several specimens from Monrovia, the Junk- and Messurado R.

26. *Cinnyris* n. sp.?

1 specimen (N°. 457), probably a female, collected 9 Febr. at Schieffelinsville.

»Iris, bill and feet black, basal half of lower mandible pale flesh-color."

This specimen has, with the exception of the shorter tail, exactly the size of *chloropygius*, of which it is certainly the nearest ally. It differs however from the latter by the dull green — not olive-brown — upper surface, the broad lively greenish yellowish edgings to the quills, the grayish green throat and chest without any tinge of fulvous, and especially by the above and below olive-green (not black) tail. This latter measures only 23 mm. instead of 28.

27. *Cinnyris fuliginosus* (Shaw).

Bütt. l. c. p. 168.
Several specimens, Junk River.

28. *Cinnyris Adelberti*, Gerv.

Nectarinea Adelberti, Hartl. Orn. W. Afr. p. 44.
3 specimens (♂. & ♀), Junk River (in Maniok-farms).
»Iris dark brown, bill and feet black."

29. *Cinnyris obscurus* (Jard.).

Nectarinea obscura, Hartl. Orn. W. Afr. p. 50.
3 specimens (♂ and ♀), Schieffelinsville (Junk R.).
»Iris, bill and feet black."

30. *Cinnyris cyanolaemus* (Jard.).

Nectarinea cyanolaema, Hartl. Orn. W. Afr. p. 51.
2 specimens (♂♂), Schieffelinsville (Junk R.).
»Iris, bill and feet black."
Both specimens differ somewhat from each other, one having chin and throat with a greenish, the other with an intense violet gloss.

31. *Cinnyris verticalis* (Lath.).

Bütt. l. c. p. 168.
3 specimens (1 ♂, 2 ♀), Junk River (brushwood).

32. *Anthreptes hypodilus* (Jard.).

Bütt. l. c. p. 170.
5 specimens, Monrovia and Schieffelinsville.

33. *Anthreptes rectirostris* (Shaw).

Nectarinea phaeothorax, Hartl. J. f. O. 1861, p. 108.
Anthodiaeta rectirostris, Shelley, Mon. Nect. p. 331, pl. 107.

Anthothreptes rectirostris, Gadow, Cat. B. Br. Mus. IX. p. 119.
7 specimens, amongst which a matched pair, Schieffelinsville (Junk R.).
»Iris brown, bill and feet black."

34. *Prinia mystacea*, Rüpp.

Bütt. l. c. p. 171.
1 specimen, Monrovia.

35. *Phylloscopus trochilus* (L.).

Seebohm, Cat. Birds Br. Mus. V. p. 56 (1881).
1 specimen, Monrovia.

36. *Camaroptera brevicaudata* (Cretzschm.).

Bütt. l. c. p. 173.
1 specimen (♂), Schieffelinsville (Junk R.).

37. *Sylvietta Stampflii*, n. sp.

S. flaviventri similis, sed mento, gulae medio et abdomine cinerascente albis.

This species stands between *S. virens* Cass. (Gaboon) and *flaviventris* Sharpe (Gold Coast). From the first it differs by the yellow color of the chest and centre of the breast, and by its somewhat brighter olive-green upper surface, while from *flaviventris* it differs in having chin and middle of throat dusky white, the sides of breast and abdomen pure white and the flanks ashy instead of olive-green. The full description of the Liberian species is as follows:

General color above olive-green, crown, occiput, lores and a broad streak through the eye dusky brown, lesser wing-coverts and upper tail-coverts like the back, greater wing-coverts, inner quills and tail-feathers brown, edged with the color of the back. The first and second primary have somewhat paler brown edgings, while the third, fourth and fifth are edged with silvery gray. Sides of face and a crescent-shaped band across the lower throat brownish

buff, leaving chin and upper throat ashy white, a distinct superciliary streak, beginning at the base of the nostrils, dusky white, the ear-coverts with narrow whitish shaft-streaks, chest, centre of breast, under wing-coverts, edge of wing and thighs sulphur-yellow, rest of lower surface white, flanks ashy, faintly tinged with green. Color of the iris not mentioned, »bill horn-brown, base of lower mandible whitish, feet, incl. claws, flesh-color." Wing 45 mm., tail 13, bill 10, tarsi 17.

One specimen (N°. 325, unsexed), shot 26 Nov. on the grave-yard near Monrovia.

Obs. As our Museum contained no specimens of the genus *Sylvietta*, and seeing that the figure of *S. flaviventris* Sharpe (P. Z. S. 1877, p. 23, pl. 2, f. 1) does not agree in some details with the description, I sent the specimen for comparison to Mr. Sharpe, who very kindly informs me that it is closely allied to *S. flaviventris*, but at once distinguished by its white belly and ashy flanks, characters which, in connection with the white chin and throat, show its near relationship to *S. virens* from the Gaboon.

38. *Motacilla flava*, L.

Bütt. l. c. p. 174.
2 specimens, 3 and 18 Dec., Junk River.

39. *Anthus pyrrhonotus*, Vieill.

Bütt. l. c. p. 174.
2 specimens, Paynesville (Messurado R.).

40. *Macronyx croceus* (Vieill.).

Bütt. l. c. p. 174.
3 specimens, grassy plains near Paynesville (Messurado R.).

41. *Cossypha poensis*, Strickl.

Bütt. l. c. p. 176.
1 specimen (♂), Junk River.

42. *Alethe diademata* (Bp.).

Cossypha diademata, Hartl. Orn. W. Afr. p. 78.
Alethe maculicauda, Hartl. J. f. O. 1861, p. 162.
Alethe diademata, Sharpe, Cat. Birds Br. Mus. VII. p. 58 (1883).

1 specimen (ad. ♂), high forest near Schieffelinsville (Junk R.).

»Iris sulphur-yellow, bill black, feet gray."

43. *Crateropus atripennis*, Sw.

Bütt. l. c. p. 178.

3 specimens, Schieffelinsville (Junk R.) and Du Queah R.

Mr. Sharpe (Cat. B. Br. Mus. VII. p. 178, pl. XI) under the name of *C. Haynesii*, separates the Gold Coast specimens from *atripennis* on account of their black crown and occiput and having on the fore-neck the same color as the rest of lower surface. Our Liberian specimens belong without doubt to the true *C. atripennis* as it is described by Swainson and Mr. Sharpe, with the exception that all three have the crown more or less black, i. e. one the whole crown, the other the fore-part from off the base of the bill, and the third only the centre of the crown, which latter has all the black feathers broadly edged with hoary gray. In all three however the occiput is hoary gray, while in our three Gold Coast specimens (*C. Haynesii*) this part is black like the crown.

The general appearance of the Liberian birds — the only ones of *C. atripennis* in our Museum — is very dark brown, mantle and breast being nearly pure black, while the three specimens from the Gold Coast have a cinnamon-brown appearance.

44. *Turdinus gularis*, Sharpe.

Bütt. l. c. p. 178.

1 specimen (♂), Schieffelinsville (Junk R.).

45. *Xenocichla syndactyla* (Sw.).

Bütt. l. c. p. 179.
1 specimen (♂), Schieffelinsville (Junk R.).

46. *Xenocichla eximia* (Hartl.).

Criniger eximius, Bütt. l. c. p. 179.
1 specimen (♀), with nest and eggs, Schieffelinsville (Junk R.).

The nest was found in brushwood and consists of some dead leaves as base, upon which a few fibres form a kind of cup of a hardly more solid shape than a Dove's nest. The eggs, two in number, are short and much rounded at the poles. Their color is olive gray and intensely clouded, especially round the thicker pole, with olive-brown.
Axis 24 mm., width 18 mm.

47. *Xenocichla canicapilla* (Hartl.).

Criniger canicapillus, Bütt. l. c. p. 178.
1 specimen (♀), Schieffelinsville (Junk R.).

48. *Criniger barbatus* (Temm.).

Bütt. l. c. p. 178.
1 specimen (♂), Schieffelinsville (Junk R.).

49. *Criniger leucopleurus* (Cass.).

Bütt. l. c. p. 179.
2 specimens (♂, ♀), Schieffelinsville (Junk R.).

50. *Criniger indicator*, J. Verr.

Trichophorus indicator, Hartl. Orn. W. Afr. p. 84.
Xenocichla indicator, Sharpe, Cat. B. Br. Mus. VI. p. 103.
2 specimens (♂, ♀), Schieffelinsville (Junk R.).
»Iris white, bill and feet blackish."

51. *Andropadus gracilirostris*, Strickl.

Bütt. l. c. p. 180.
2 specimens, Schieffelinsville (Junk R.).

52. *Andropadus latirostris*, Strickl.

Bütt. l. c. p. 180.
2 specimens (♂♂), Schieffelinsville (Junk R.).

53. *Pycnonotus barbatus* (Desf.).

Bütt. l. c. p. 180.
Several specimens, Messurado- and Junk River.

54. *Terpsiphone nigriceps* (Hartl.).

Bütt. l. c. p. 181.
2 specimens (♂♂), Schieffelinsville (Junk R.).

55. *Platystira cyanea*, S. Müll.

Bütt. l. c. p. 182.
8 specimens (♂, ♀), Oldfield (Messurado R.).

56. *Parisoma plumbeum.*

Stenostira plumbea, Hartl. J. f. O. 1858, p. 41; 1861, p. 169.
Parisoma melanurum, Cass. Pr. Philad. Acad. 1859, p. 51; — Hartl. J. f. O. 1861, p. 161.
Muscicapa melanura, F. & H. Vög. Ostafr. p. 303 (note).
Parisoma plumbeum Sharpe, Cat. B. Br. Mus. IV. p. 269.
2 specimens, Monrovia and Oldfield, in brushwood.

57. *Muscicapa grisola*, L.

Bütt. l. c. p. 182.
1 specimen, obtained in March, Oldfield.

58. *Campephaga quiscalina.*

Campephaga nigra, Cass. Pr. Philad. Acad. 1859, p. 52 (nec Vieill.); — Hartl. J. f. O. 1861, p. 170.

Lanicterus niger, Hartl. J. f. O. 1865, p. 173 (nec Vieill.).

Campephaga fulgida, Rchw. J. f. O. 1874, p. 345; 1875, p. 26.

Campophaga quiscalina, Sharpe, Cat. B. Br. Mus. IV. p. 63.

1 specimen (♂), collected at Oldfield (Messurado R.).

»Iris dark brown, bill black, feet bluish black."

59. *Dicrurus atripennis*, Sw.

Bütt. l. c. p. 183.

3 specimens (♂ and ♀), Schieffelinsville (Junk R.).

60. *Dicrurus modestus*, Hartl.

Bütt. l. c. p. 183.

3 specimens, Schieffelinsville (Junk R.).

61. *Fraseria ocreata* (Strickl.).

Tephrodornis ocreatus, Strickl. P. Z. S. 1844, p. 102; — Fraser, Zool. typ. pl. 36.

Fraseria ocreata, Hartl. Orn. W. Afr. p. 102; — Sharpe, Cat. Birds Br. Mus. III. p. 303.

1 female with nest and eggs, Schieffelinsville (Junk R.) in high forest.

»Iris dark brown, bill black, feet gray."

The nest consists of a cup like that of our common Chaffinch, made of fine roots intermixed with some leaves. The eggs, three in number, are pale green, clouded and speckled with olive-brown, especially at the thicker pole. Axis 24 mm., width 17 mm.

62. *Sigmodus caniceps*, Bp.

Hartl. Orn. W. Afr. p. 105; — Sharpe, Cat. Birds Br. Mus. III. p. 323 (1877).

2 specimens (♂ and ♀), Oldfield and Junk River (in brushwood).

»Iris pale golden yellow, bill flesh-color, feet coral-red."

63. *Nicator chloris* (Less.).

Bütt. l. c. p. 185.

2 specimens, Schieffelinsville (Junk R.).

64. *Dryoscopus gambensis* (Licht.).

Bütt. l. c. p. 185.

3 specimens, Oldfield and Schieffelinsville.

65. *Dryoscopus leucorhynchus* (Hartl.).

Telephonus leucorhynchus, Hartl. Rev. zool. 1848, p. 108.
Dryoscopus leucorhynchus, Hartl. Orn. W. Afr. p. 112.
Melaenornis edolioides, Bütt. l. c. p. 183 (err.).

1 specimen (black-billed male), Schieffelinsville (Junk R.).

All what I have said of *Melaenornis edolioides* and its nest and eggs (l. c. p. 183) must be attributed to above species.

66. *Oriolus brachyrhynchus*, Sw.

Bütt. l. c. p. 186.

Several specimens, Messurado- and Junk River.

67. *Lamprocolius cupreocauda* (Temm.).

Hartl. Orn. W. Afr. p. 119; id., Die Glansstaare Afrika's, Abh. naturw. Ver. Brem., 1874, p. 74.

1 specimen (♂), Du Queah River.

»Iris golden yellow, bill and feet black."

68. *Ploceus castaneofuscus*, Less.

Hyphantornis castaneofusca, Bütt. l. c. p. 192.
Ploceus castaneofuscus, Rchw. Zool. Jahrb. I. p. 126 (1886).

A large series, Messurado- and Junk River.

69. *Ploceus cucullatus* (Müll.).

Hyphantornis textor, Bütt. l. c. p. 190.
Ploceus cucullatus (St. Müll), Rchw. Zool. Jahrb. I. p. 133 (1886).
A large series, Messurado- and Junk River.

70. *Symplectes brachypterus* (Sw.).

Hyphantornis brachyptera, Bütt. l. c. p. 189.
Symplectes brachypterus, Rchw. Zool. Jahrb. I. p. 115 (note).
1 specimen (♀), Oldfield (Messurado R.).

71. *Sycobius rubricollis* (Sw.).

Bütt. l. c. p. 195.
4 specimens, Schieffelinsville (Junk R.).

72. *Sycobius scutatus*, Cass.

Bütt. l. c. p. 196.
4 specimens, Schieffelinsville (Junk R.).

73. *Coliuspasser macrourus* (Gm.).

Penthetria macroura, Bütt. l. c. p. 197.
Several specimens, Junk River.

74. *Vidua principalis* (L.).

Bütt. l. c. p. 197.
Several specimens, Junk River.

75. *Ortygospiza polyzona* (Temm.).

Hartl. Orn. W. Afr. p. 148; — Shelley, Ibis 1886, p. 337.
1 specimen (unsexed), Monrovia.
»Iris yellow, bill red, feet yellowish."

76. *Estrelda melpoda* (Vieill.).

Hartl. Orn. W. Afr. p. 141; — Shelley, Ibis 1886, p. 332.
5 specimens, Oldfield and Schieffelinsville.
»Iris brown, bill red, feet blackish."

77. *Spermospiza haematina* (Vieill.).

Bütt. l. c. p. 198 (partim).
3 specimens (1 ♂, 2 ♀) with nest and eggs, Oldfield and Schieffelinsville.

Capt. Shelley (Ploceidae of the Ethiopian Region, Ibis 1886, p. 316) distinguishes *S. guttata* (Vieill.) from *haematina*. In our Museum Collection there is amongst 17 specimens only one (an adult male from the Gaboon) which may be considered as *guttata*, having both mandibles edged down to the base with red, and red cheeks and upper tail-coverts. A male from the Congo, apparently fully adult, has the cutting edges of the mandibles only on their first half red-colored, the cheeks are pure black, and the upper tail-coverts are but slightly tipped with red. A female from the same locality can by no means be distinguished from those of *haematina*.

Nest and eggs are much like those of *Spermestes bicolor*, the quite voluminous nest, composed of soft panicles of grass, was found in a shrub about 4 feet above the ground, the eggs are pure white, axis 17 mm.

78. *Pyrenestes personatus*, Du Bus.

Bütt. l. c. p. 199.
7 specimens in different stages of plumage, collected at Oldfield (Messurado R.).

These specimens confirm what I have said about this species in my above cited paper. There is however an adult male amongst them, which has the plumage very dark olive-brown and the under tail-coverts strongly tinged with red. The distribution of the red color is the same as in the other specimens of *personatus* and it is not out of doubt

that Cassin's *P. personatus* from Monrovia might be referable to this species.

Capt. Shelley (on the Ploceidae of the Ethiopian Region, Ibis 1886, p. 313, 314) unites all the four known species of *Pyrenestes* under one head (*P. ostrinus*), declaring to be unable to account for the considerable variations which are met with in this genus. The material in our Museum, though of little importance, do not allow me to adhere to this opinion. With regard to the larger size of the bill (*ostrinus*), which is believed by Capt. Shelley to be due to age only, it would be strange that nor I nor Mr. Stampfli, who collected in different localities, found amongst the many specimens a single one with a more than usually developed bill. Certainly I will not fail after my arrival in Liberia, to pay due attention to this question.

79. *Spermestes fringilloides* (Lafr.).

Amauresthes fringilloides, Bütt. l. c. p. 201.
Collected in different localities.

80. *Spermestes cucullatus*, Sw.

Hartl. Orn. W. Afr. p. 147.
Several specimens (ad. and juv.), Monrovia and Junk River.

81. *Spermestes bicolor* (Fras.).

Bütt. l. c. p. 202.
Several specimens (ad. and juv.), Monrovia and Junk River.

82. *Nigrita canicapilla* (Strickl.).

Hartl. Orn. W. Afr. p. 130.
1 specimen, Schieffelinsville (Junk R.).
»Iris red, bill and feet black."

83. *Nigrita bicolor* (Hartl.).

Bütt. l. c. p. 194.
1 specimen, collected on the grave-yard near Monrovia.

84. *Corythaix macrorhynchus*, Fras.

Bütt. l. c. p. 202.

Several specimens, Schieffelinsville (Junk R.).

85. *Turacus cristatus* (Vieill.).

Turacus giganteus, Bütt. l. c. p. 203.

Corytheola cristata, Schalow, Mon. Musoph. J. f. O. 1886, p. 55.

2 specimens, Junk- and Du Queah River.

86. *Buceros elatus*, Temm.

Bütt. l. c. p. 204.

Several specimens, Junk- and Du Queah River.

87. *Buceros albocristatus*, Cass.

Bütt. l. c. p. 207.

Several specimens, Junk River.

88. *Buceros fistulator*, Cass.

Bütt. l. c. p. 206.

1 specimen, Du Queah River.

89. *Buceros semifasciatus*, Temm.

Bütt. l. c. p. 208.

Several specimens, Junk- and Du Queah River.

90. *Buceros camurus* (Cass.).

Bütt. l. c. p. 210.

1 specimen, Junk River.

91. *Trogon narina* (Levaill.).

Hartl. Orn. W. Afr. p. 263.

1 specimen (♂), Junk River.

»Iris, bill and feet yellow."

92. *Psittacula Swinderniana*, Kuhl.

Bütt. l. c. p. 212.
A large series, Junk River.

93. *Pogonorhynchus hirsutus* (Sw.).

Bütt. l. c. p. 215.
1 specimen, Du Queah River.

94. *Megalaema Duchaillui* (Cass.).

Bütt. l. c. p. 216.
1 specimen (♂), Junk River.

95. *Megalaema leucolaema* (Verr.).

Bütt. l. c. p. 216.
1 specimen (♀), Schieffelinsville (Junk R.).

96. *Megalaema scolopacea* (Bp.).

Bütt. l. c. p. 217.
2 specimens, Junk River.

97. *Gymnobucco calvus* (Lafr.).

Bütt. l. c. p. 217.
4 specimens, Junk- and Du Queah River.

98. *Mesopicus pyrrhogaster* (Malh.).

Bütt. l. c. p. 219.
2 specimens, Du Queah River.

99. *Dendropicus lugubris*, Hartl.

Bütt. l. c. p. 220.
1 specimen, Junk River.

100. *Campothera maculosa* (Val.).

Bütt. l. c. p. 220.
2 specimens, Schieffelinsville (Junk R.).

101. *Campothera nivosa* (Sw.).

Bütt. l. c. p. 221.
1 specimen (♀), Du Queah River.

102. *Centropus Francisci*, Bp.

Bütt. l. c. p. 222.
3 specimens, Junk- and Du Queah River.

103. *Centropus senegalensis* (L.).

Bütt. l. c. p. 223.
Several specimens, Junk- and Messurado River.

104. *Phoenicophaes aeneus* (Vieill.).

Bütt. l. c. p. 224.
2 specimens, Du Queah River.

105. *Chrysococcyx cupreus* (Bodd.).

Bütt. l. c. p. 225.
3 specimens, Oldfield (Messurado R.).

106. *Treron calva* (Temm.).

Bütt. l. c. p. 226.
1 specimen, 3 Oct., Schieffelinsville.

107. *Columba iriditorques*, Cass.

Bütt. l. c. p. 227.
5 specimens, Junk River.

108. *Peristera puella*, Schl.

Bütt. l. c. p. 228.
4 specimens, Junk- and Du Queah River.

109. *Peristera afra* (L.).

Bütt. l. c. p. 229.
2 specimens, Junk River.

110. *Peristera tympanistria* (Temm.).

Bütt. l. c. p. 229.
2 specimens, Junk River.

111. *Francolinus Lathami*, Hartl.

Bütt. l. c. p. 231.
3 adult specimens and 4 nestlings, probably short after having left the eggs. Schieffelinsville (Junk River).

The four nestlings have the general color fawn, a broad stripe from the forehead down to the tail chestnut-brown, a narrow stripe from the eye down the sides of the neck of the same color, front and a very broad superciliary band, which is produced along the sides of the neck, and cheeks rusty white, chin nearly pure white. All four were caught together from the nest in an old plantation near Schieffelinsville, the 6th of February.

112. *Vanellus inornatus*, Sw.

Bütt. l. c. p. 235.
Several specimens, Oldfield and Schieffelinsville.

113. *Ardea alba*, L.

Bütt. l. c. p. 238.
1 specimen, Du Queah River.

114. *Ardea gularis*, Bosc.

Bütt. l. c. p. 238.
2 specimens, Junk River.

115. *Ardea atricapilla*, Afz.

Bütt. l. c. p. 239.
1 specimen (♂ juv.), Junk River.

116. *Botaurus leucolophus* (Jard.).

Bütt. l. c. p. 240.
1 specimen (nestling), Messurado River, caught in November.
The plumage though partially in down, shows the same distribution of color as the adult, and the white nuchal feathers have already made their appearance.

117 *Nycticorax leuconotus* (Wagl.).

Bütt. l. c. p. 241.
1 specimen, Junk River.

118. *Totanus canescens* (Gm.).

Bütt. l. c. p. 244.
1 specimen, 29 Oct., Junk River.

119. *Totanus hypoleucos* (L.).

Actitis hypoleucos, Bütt. l. c. p. 244.
4 specimens, Sept. and Oct., Junk River.

120. *Himantornis haematopus*, Temm.

Bütt. l. c. p. 245.
Several specimens, Junk- and Du Queah River.

121. *Querquedula Hartlaubi*, Cass.

Querquedula cyanoptera, Hartl. (apud Temm.) Orn. W. Afr. p. 248.

Querquedula Hartlaubi, Cass. Pr. Acad. N. Sc. Philad. 1858, p. 175; — Boc. Orn. d'Ang. p. 503 (1881).

Anas cuprea, Schl. Mus. P.-B. Anseres, p. 62 (1866).

1 specimen (♂), 8 Febr., Junk River.

»Iris brown, bill black with a white crossband behind the tip, feet black."

122. *Sterna cantiaca*, Gm.

Bütt. l. c. p. 249.

1 specimen, upper Junk River, near Oldfield.

123. *Hydrochelidon nigra* (Briss.).

Bütt. l. c. p. 250.

2 specimens, lower Junk River.

124. *Stercorarius cephus* (Brünn.).

Lestris cephus, Hartl. Orn. W. Afr. p. 253.

1 specimen (♂), on the seashore, Monrovia.

»Iris dark brown, bill black, feet gray, toes partially black."

125. *Heliornis senegalensis*, Vieill.

Podica senegalensis, Hartl. Orn. W. Afr. p. 249; — Boc. Orn. d'Ang. p. 487.

Heliornis senegalensis, Schl. Mus. P.-B., Urinatores, p. 49.

6 specimens, backwaters and Mangrove along the Junk River.

»Iris pale brown, bill coral-red, culmen black, feet coral-red."

Amongst the males which constantly seem to be larger than the females, there exist two different dresses which I do not know to attribute neither to the age nor to the time on which they were killed. One of these dresses is similar with

that of the female, with the exception that the chest is paler fulvous; the other, however, differs from the first in having the whole foreneck dark ashy gray, intermixed with white spots to some of the feathers. The chin and centre of the throat are almost entirely white, and the feathers on the chest are very conspicuously banded across with black.

The female agrees exactly with the description given by Bocage. — Wing in male 19—26 cm., in female 16 cm.

126. *Plotus Levaillantii*, Licht.

Bütt. l. c. p. 251.

1 specimen (♂), Junk River.

Leyden Museum, September 1886.